

Title (en)  
SKIN TREATMENT DEVICE

Title (de)  
HAUTBEHANDLUNGSVORRICHTUNG

Title (fr)  
DISPOSITIF DE TRAITEMENT DE LA PEAU

Publication  
**EP 3202353 A1 20170809 (EN)**

Application  
**EP 17152196 A 20170119**

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EP 16153812 A 20160202

Abstract (en)  
The present invention is concerned with a skin treatment device, in particular a temporal hair removal device, having a light emission unit having a substrate, a plurality of first LED dies mounted on the substrate on an area of at least 0.2 cm<sup>2</sup>, in particular of at least 1.0 cm<sup>2</sup>, where the first LED dies are each arranged for emitting light at a first peak emission wavelength in the far red or infrared wavelength range of between 700 nm and 980 nm, and at least one second LED die arranged for emitting light at a second peak emission wavelength in the visible wavelength range of between 400 nm and below 700 nm, wherein the skin treatment device is arranged to activate the first LED dies to emit a treatment light pulse, the treatment light pulse in particular having a pulse length of between 10 ms and 300 ms, and the first LED dies have a radiant flux such that a radiant fluence on the skin of a user of at least 1 J/cm<sup>2</sup> is achieved by application of the treatment light pulse, and the skin treatment device is arranged to activate the at least one second LED die to emit a visible light pulse simultaneously with the emission of the treatment light pulse.

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